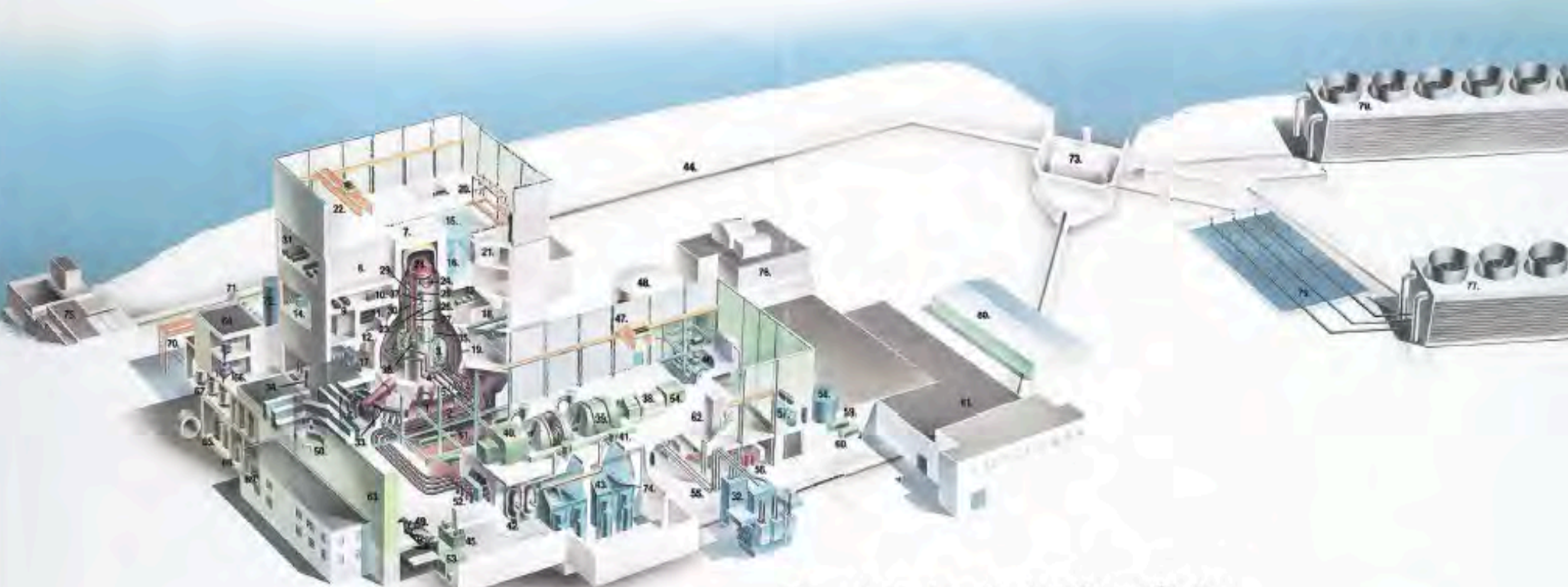


NorthStar VTY Decommissioning



Vermont Yankee Nuclear Power Station

NDCAP Update 05/08/2023

- | | | | |
|---|----------------------------------|-----------------------------------|--------------------------------------|
| 1. Torus | 21. New fuel storage vault | 41. Intercept valve | 61. Receiving and stores |
| 2. Main steam lines | 22. Overhead crane | 42. Moisture separator | 62. Elevator |
| 3. Recirculation pump | 23. Biological shield wall | 43. Main condensers | 63. Turbine building |
| 4. Inboard main steam isolation valve | 24. Steam dryer | 44. Cooling water recirculation | 64. Rad waste building |
| 5. Outboard main steam isolation valve | 25. Steam separator | 45. Turbine oil tank | 65. Condensate phase separator tanks |
| 6. Downcomers | 26. Fuel assemblies | 46. Emergency diesel generators | 66. Centrifuge |
| 7. Shield plug | 27. Reactor vessel | 47. Overhead crane | 67. Cask filling area |
| 8. Dryer/separator storage pool | 28. Vessel head | 48. Condensate storage tank | 68. Spent resin tank |
| 9. Reactor building cooling water heat exchangers | 29. Main steam outlet | 49. Feedwater pump | 69. Waste sludge tank |
| 10. Reactor building cooling water pump | 30. Recirculation water outlet | 50. Control room | 70. Traveling hoist |
| 11. Reactor water cleanup heat exchanger | 31. Uninterruptible power supply | 51. High pressure heaters | 71. Sample tanks |
| 12. Reactor water cleanup pump | 32. Main transformer | 52. Main stop valve | 72. Surge tank |
| 13. Vital AC motor generator set | 33. Ring header | 53. Turbine lube oil storage tank | 73. Discharge structure |
| 14. Recirculation motor generator set | 34. RHR service water pump | 54. Excitation cubicle | 74. Low pressure heaters |
| 15. Fuel pool (spent fuel storage) | 35. Recirculation inlets | 55. Main generator leads | 75. Intake structure |
| 16. Spent fuel rack | 36. Manifold | 56. Make-up demineralizers | 76. Advanced off-gas building |
| 17. Hydraulic control units | 37. Feedwater inlet | 57. House heating boiler | 77. West cooling tower |
| 18. Standby gas treatment | 38. Generator | 58. Clearwell | 78. East cooling tower |
| 19. Primary containment wall | 39. Low pressure turbine | 59. Acid storage tank | 79. Spray pond |
| 20. Refueling bridge | 40. High pressure turbine | 60. Caustic storage tank | 80. Warehouse |

NorthStar Nuclear Decommissioning Company, LLC

Simple Priorities



SAFETY with all we do: Target Zero ( **Accidents**)

Radiological, Environmental, Industrial, Nuclear

Do it right. Do it safe.



Project Schedule – Overview (Re-Cap)

	2020	2021	2022	2023	2024	2025	2026	2027 thru 2051	2052
	Partial Site Release								License Termination (ISFSI) Target 12.31.52)
Spent Fuel Management	█	█	█	█	█	█	█	█	Final Site Restoration & License Termination
Site Restoration & Final Site Survey	█	█	█	█	█	█	█	█	
Large Component Removal	█	█	█						
Reactor Vessel & Internals	█	█	█						
Condenser		█	█						
Large Pumps & Motors (Circ H2O, Recirc, etc)		█							
Main, Start-Up & Aux Transformers			█						
Decontamination & Demolition									
Asbestos & Lead Paint Removal	█	█	█	█	█	█			
Security Structures and Equipment	█	█	█	█	█	█			
Turbine Warehouse	█	█	█						
Aog	█								
Rotors and Storage Structures		█							
Stack		█	█						
Intake		█	█	█	█				
Reactor Building			█	█	█	█	█		
Admin Building				█					
Control Building				█					
Rad Waste					█	█	█		
Discharge					█	█			
Service Building					█				

Performance Update

- SAFETY: **Acceptable**

Zero NorthStar OSHA Recordable Lost Time Accidents to date, with over 1,400,000 person hours worked on site since January 11th 2019.

- REGULATORY: **GOOD**

Zero NRC Cited Violations for all of 2019, 2020, 2021, 2022, and 2023 to date.

- PRODUCTION: **Acceptable**

Overall project schedule remains well on track. Bulk Decom work and Site Characterization continues advancing ahead of initial projections.

Condenser Skirt Removed for Turbine Bldg Demo



Cutting Generator Stator for Removal



Main Turbine Deck to HVAC Room Block Walls Removed



Removing De-Energized Electrical Components



Turbine Basement Floor-drain Piping Removal



Emergency Diesel Generators Removed



Dismantling Start-Up Transformers



Turbine Building Exterior Siding & Insulation Removal



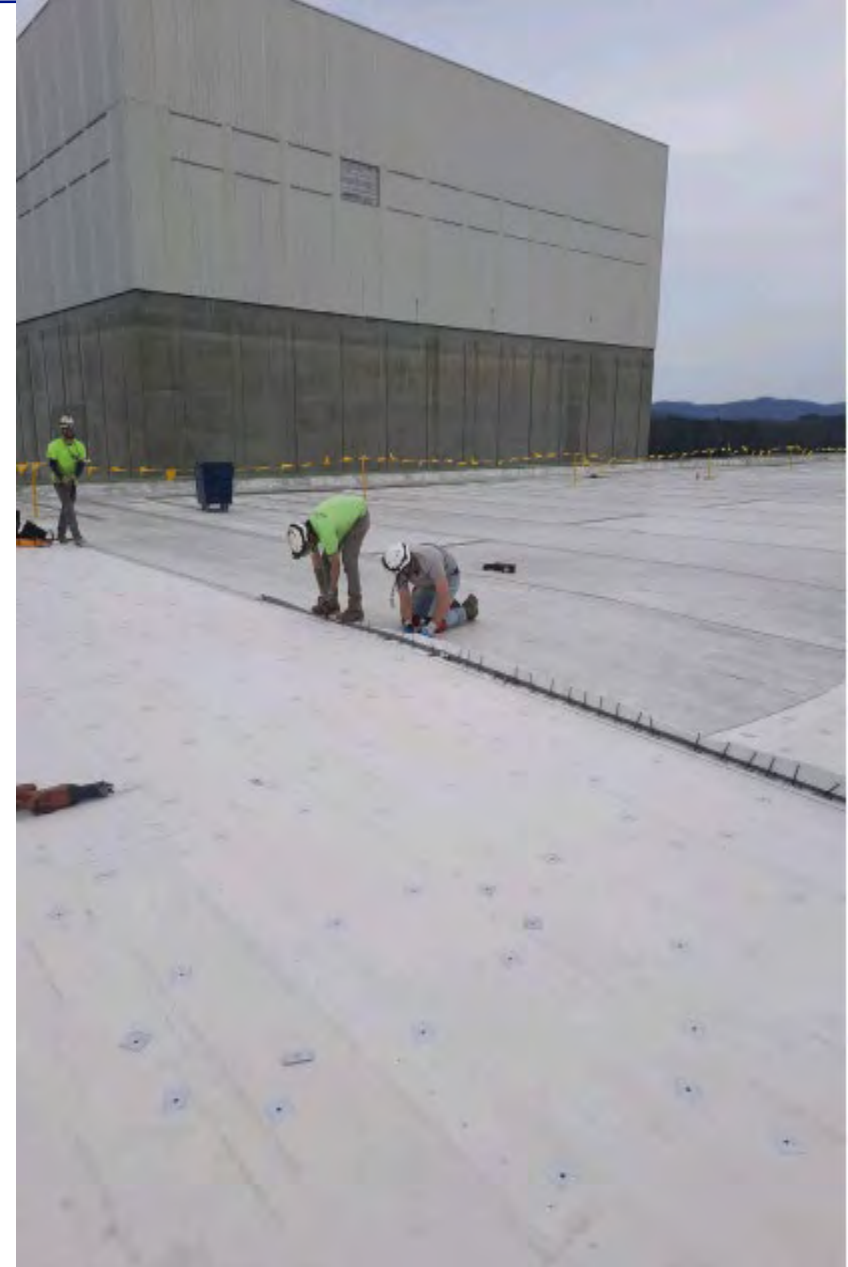
Turbine Building South Wall Panel Removal



Turbine Building North Wall Panels Removal



Turbine Building Roof Removal



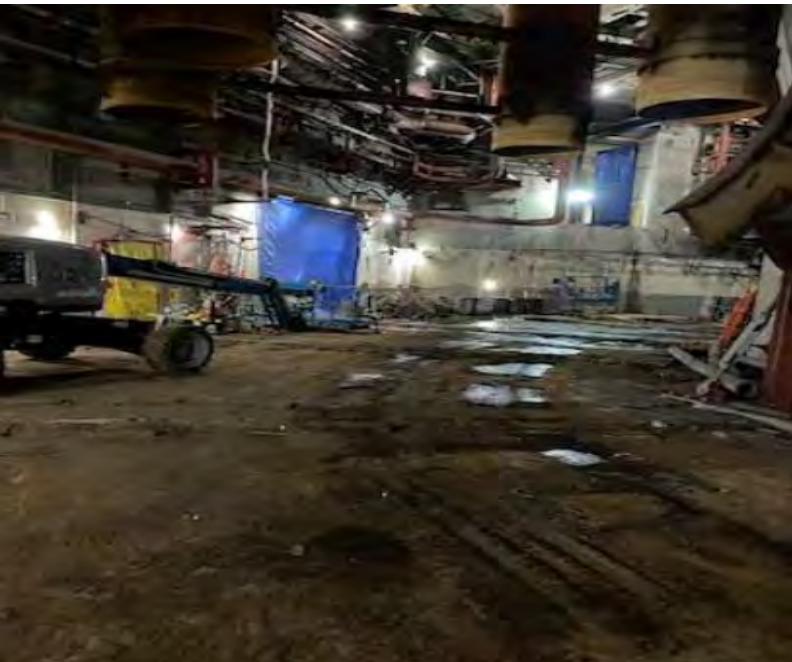
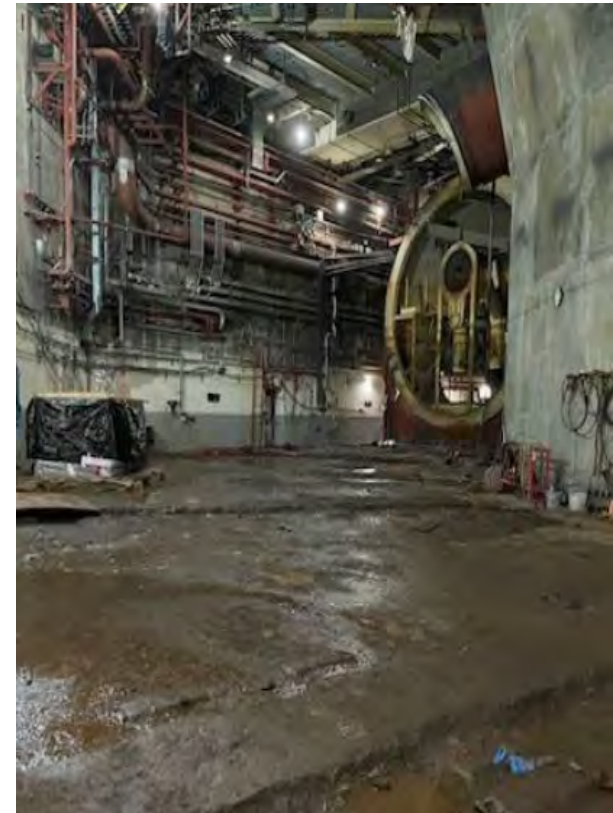
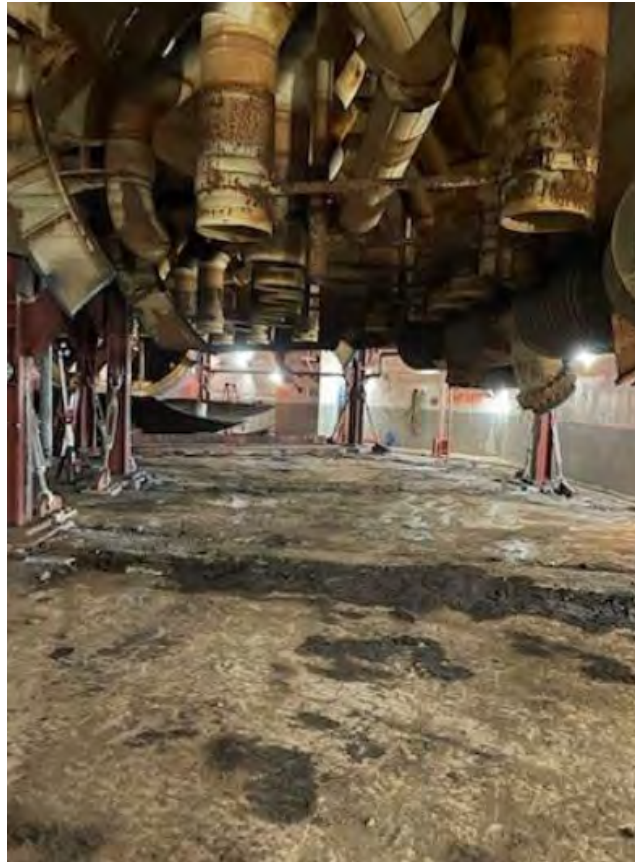
Removing Piping and Components in Rx Bldg 280' Level



Removing Piping and Components in Rx Bldg 303' Level



TORUS Demolition Progress



TORUS Demo & Removal 50% Complete

AOG Courtyard Excavation & Clean-up



Waste Transportation



Shipping and Material Volumes

Currently shipping about 3-4 rail cars per week to WCS

(Total shipments to date: 602)

- Total YTD Shipments (as of 4/20/23): 65
- Total Volume 1,315,688 ft³ (48,359 cyd)
- Total Weight 67,321,734lbs (33,661 tons)
- Total Activity 35,640 curies

Non-Rad Site Characterization/Remediation

What else is happening? No new areas of impact identified.

- One additional Corrective Action Plan for a small excavation for PAHs in AOC 3 (former Construction office Building area) was approved.
- Split sampling continues for Post Demolition Surveys with ATC in coordination with ANR. All sample data continues to correlate well and show no impacts to soils below the buildings or structures.
- Some wells within the demolition footprint have been closed/abandoned with permission from ANR.
- Post D&D Groundwater monitoring program required per MOU is still under development with ANR input.
- Approval and Issuance of the General Permit from USACE to decommission the intake and discharge structures and Stream Alt Permit from ANR.
- Continued collaboration with VT ANR, DEC via Bi-Weekly calls to maintain alignment.

Questions?

Target Zero ( Accidents) Do It Right. Do It Safe.

